

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	310718	(mixer or (down adj conver\$4) or (up adj conver\$4) or (frequency adj translat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L2	497788	(oscillator or LO)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L3	23647	(diode near5 (threshold or (turn adj on) or turnon or limit or minimum))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L4	22429	((direct adj current) or DC) near5 diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L5	4343	(455/127.1.ccls. or 455/130.ccls. or 455/169.2.ccls. or 455/180.4.ccls. or 455/189.1.ccls. or 455/193.3.ccls. or 455/209.ccls. or 455/257.ccls. or 455/313.ccls. or 455/318.ccls. or 455/325.ccls. or 455/326.ccls. or 455/330.ccls. or 455/343.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L6	140	(L1 and L2 and L3 and L4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L7	170	((three adj pair) near5 measur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L8	1302	(reciproc\$5 near3 conversion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L9	1572	(327/524.ccls. or 327/530.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45

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L10	2	"5157786".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L11	2	"5337014".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L12	2	"5678225".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L13	2	"5937006".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L14	20	L6 and L5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L15	21	(L1 and L2 and L3 and L4) and (down adj conver\$4) and (up adj conver\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L16	39	((three adj pair) near5 measur\$4) and mix\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L17	2	L8 and (L5 or L9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L18	43	L1 and L8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L19	140	(L1 and L2 and L3 and L4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45

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L20	282	((reciproc\$5 or symmetric\$5 or identical) with (down adj conver\$4) with (down adj conver\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L21	171	((reciproc\$5 or symmetric\$5 or identical) with (down adj conver\$4) with (down adj conver\$4)) and mix\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L22	40826	((DC or (direct adj current)) near5 bias\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L23	3873	((DC or (direct adj current)) near5 bias\$3) with diode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L24	60	((DC or (direct adj current)) near5 bias\$3) with (mix\$3 near3 diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L25	47	((DC or (direct adj current)) near5 bias\$3) with diode with (separate or dedicated)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 11:45
L26	90	((DC or (direct adj current)) near5 bias\$3) with diode with (respective or unique)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 12:19

Interference Search

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(mix\$3 with (reciproc\$5 or symmetric\$5 or identical\$3) with capacit\$4 with diode with bias\$3 with volt\$3).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 12:28


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IEEE XPLORE GUIDE

Results for "((mixer <and> bias <and> diode)<in>metadata)"

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Your search matched 98 of 1348795 documents.

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Modify Search

((mixer <and> bias <and> diode)<in>metadata)

Search

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» Key



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IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

- ☐ 1. **InGaAs-based MM-wave integrated subharmonic mixer exhibiting low inp requirement and low noise characteristics**
Marsh, P.; Hong, K.; Pavlidis, D.;
[Indium Phosphide and Related Materials, 1996. IPRM '96., Eighth International 21-25 April 1996](#) Page(s):57 - 60
Digital Object Identifier 10.1109/ICIPRM.1996.491933
[Abstract](#) | Full Text: [PDF\(420 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 2. **Fabrication and performance of separately-biasable antiparallel-pair "T-a diodes employing a compact multiple-layer integrated bias circuit at 210**
Lee, T.-H.; Humphrey, D.A.; Dengler, R.J.; Mehdi, I.; Martin, S.C.; Pease, A.; C Smith, R.P.; Siegel, P.H.;
[Microwave Symposium Digest, 1996., IEEE MTT-S International Volume 1, 17-21 June 1996](#) Page(s):381 - 384 vol.1
Digital Object Identifier 10.1109/MWSYM.1996.508535
[Abstract](#) | Full Text: [PDF\(432 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 3. **Microwave mixers based on a novel zero bias diode**
Poppe, M.; Kleen, D.; Janson, H.; Zirath, H.; Adahl, A.;
[Compound Semiconductor Integrated Circuit Symposium, 2004. IEEE 24-27 Oct. 2004](#) Page(s):264 - 267
[Abstract](#) | Full Text: [PDF\(605 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 4. **Low-parasitic, planar Schottky diodes for millimeter-wave integrated circ**
Archer, J.W.; Batchelor, R.A.; Smith, C.J.;
[Microwave Theory and Techniques, IEEE Transactions on Volume 38, Issue 1, Jan. 1990](#) Page(s):15 - 22
Digital Object Identifier 10.1109/22.44151
[Abstract](#) | Full Text: [PDF\(676 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 5. **A simple method for the evaluation of microwave mixer diodes**
Zaghloul, H.; van Kalleveen, T.H.T.; Hansen, C.H.; Buckmaster, H.A.;
[Instrumentation and Measurement, IEEE Transactions on Volume 39, Issue 6, Dec 1990](#) Page(s):928 - 932

Digital Object Identifier 10.1109/19.65800

[Abstract](#) | Full Text: [PDF\(320 KB\)](#) IEEE JNL
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- ☐ **6. An even harmonic mixer using self-biased anti-parallel diode pair**
 Shimozawa, M.; Katsura, T.; Maeda, K.; Taniguchi, E.; Ikushima, T.; Suematsu Isota, Y.; Takagi, T.;
[Microwave Symposium Digest, 2002 IEEE MTT-S International](#)
 Volume 1, 2-7 June 2002 Page(s):253 - 256
 Digital Object Identifier 10.1109/MWSYM.2002.1011605
[Abstract](#) | Full Text: [PDF\(418 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ **7. A novel biased anti-parallel Schottky diode structure for subharmonic ml**
 Trong-Huang Lee; Chen-Yu Chi; East, J.R.; Rebeiz, G.M.; Haddad, G.I.;
[Microwave and Guided Wave Letters, IEEE \[see also IEEE Microwave and Wi](#)
[Components Letters\]](#)
 Volume 4, Issue 10, Oct. 1994 Page(s):341 - 343
 Digital Object Identifier 10.1109/75.324710
[Abstract](#) | Full Text: [PDF\(208 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ **8. MOVPE-grown millimeter-wave InGaAs mixer diode technology and char**
 Marsh, P.; Pavlidis, D.; Hong, K.;
[Electron Devices, IEEE Transactions on](#)
 Volume 44, Issue 7, July 1997 Page(s):1066 - 1075
 Digital Object Identifier 10.1109/16.595933
[Abstract](#) | Full Text: [PDF\(380 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ **9. On the effect of IF power nulls In Schottky diode harmonic mixers**
 Feinaugle, R.; Hubers, H.-W.; Roser, H.P.; Hesler, J.L.;
[Microwave Theory and Techniques, IEEE Transactions on](#)
 Volume 50, Issue 1, Part 1, Jan. 2002 Page(s):134 - 142
 Digital Object Identifier 10.1109/22.981257
[Abstract](#) | Full Text: [PDF\(178 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ **10. A Q-band monolithic balanced diode mixer using AlGaAs/GaAs HEMT an**
 Chen, T.H.; Ton, T.N.; Dow, G.S.; Nakano, K.; Liu, L.C.T.; Berenz, J.;
[Microwave Symposium Digest, 1990., IEEE MTT-S International](#)
 8-10 May 1990 Page(s):895 - 898 vol.2
 Digital Object Identifier 10.1109/MWSYM.1990.99722
[Abstract](#) | Full Text: [PDF\(312 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ **11. Design and measurements of a 210 GHz subharmonically pumped GaAs**
 Siegel, P.H.; Weinreb, S.; Duncan, S.; Berk, W.; Eskandarian, A.; Tu, D.-W.;
[Microwave Symposium Digest, 1992., IEEE MTT-S International](#)
 1-5 June 1992 Page(s):603 - 606 vol.2
 Digital Object Identifier 10.1109/MWSYM.1992.188054
[Abstract](#) | Full Text: [PDF\(316 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ **12. A quasi-optical subharmonically-pumped receiver using separately biase diode pairs**
 Trong-Huang Lee; Chen-Yu Chi; East, J.R.; Rebeiz, G.M.; Haddad, G.I.;
[Microwave Symposium Digest, 1994., IEEE MTT-S International](#)
 23-27 May 1994 Page(s):783 - 786 vol.2

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- ☐ **13. High-sensitivity receiver for infrared laser communications**
 Peyton, B.; DiNardo, A.; Kanischak, G.; Arams, F.; Lange, R.; Sard, E.;
[Quantum Electronics, IEEE Journal of](#)
 Volume 8, Issue 2, Part 1, Feb 1972 Page(s):252 - 263
[Abstract](#) | Full Text: [PDF\(3792 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ **14. Characteristics of metal-insulator-metal diodes as generators of far-infra**
 Odashima, H.; Yamamoto, K.; Matsushima, F.; Tsunekawa, S.; Takagi, K.;
[Quantum Electronics, IEEE Journal of](#)
 Volume 32, Issue 2, Feb. 1996 Page(s):350 - 356
 Digital Object Identifier 10.1109/3.481883
[Abstract](#) | Full Text: [PDF\(660 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ **15. A comparison of planar doped barrier diode performance versus Schottk**
performance in a single balanced, MIC mixer with low LO drive
 Poelker, J.N.; Robertson, R.S.;
[Microwave Theory and Techniques, IEEE Transactions on](#)
 Volume 43, Issue 6, June 1995 Page(s):1241 - 1246
 Digital Object Identifier 10.1109/22.390178
[Abstract](#) | Full Text: [PDF\(484 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ **16. An actively balanced GaAs HBT-Schottky mixer for 3-V wireless applicati**
 Kobayashi, K.W.; Tran, L.T.; Oki, A.K.; Lammert, M.; Block, T.R.; Streit, D.C.;
[Microwave and Guided Wave Letters, IEEE \[see also IEEE Microwave and Wi](#)
[Components Letters\]](#)
 Volume 7, Issue 7, July 1997 Page(s):181 - 183
 Digital Object Identifier 10.1109/75.594857
[Abstract](#) | Full Text: [PDF\(64 KB\)](#) IEEE JNL
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- ☐ **17. New approach to the design and the fabrication of THz Schottky barrier d**
 Jelenski, A.; Grub, A.; Krozer, V.; Hartnagel, H.L.;
[Microwave Theory and Techniques, IEEE Transactions on](#)
 Volume 41, Issue 4, April 1993 Page(s):549 - 557
 Digital Object Identifier 10.1109/22.231645
[Abstract](#) | Full Text: [PDF\(760 KB\)](#) IEEE JNL
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- ☐ **18. A 640 GHz planar-diode fundamental mixer/receiver**
 Siegel, P.H.; Mehdi, I.; Dengler, R.J.; Lee, T.H.; Humphrey, D.A.; Pease, A.; Zi
 Zimmermann, P.;
[Microwave Symposium Digest, 1998 IEEE MTT-S International](#)
 Volume 2, 7-12 June 1998 Page(s):407 - 410 vol.2
 Digital Object Identifier 10.1109/MWSYM.1998.705020
[Abstract](#) | Full Text: [PDF\(508 KB\)](#) IEEE CNF
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- ☐ **19. Design and fabrication of ultra-small GaAs Schottky barrier diodes for lo**
tetrahertz receiver applications
 Peatman, W.C.; Crowe, T.W.;
[High Speed Semiconductor Devices and Circuits, 1989. Proceedings., IEEE/C](#)
[on Advanced Concepts in](#)

7-9 Aug. 1989 Page(s):390 - 398
Digital Object Identifier 10.1109/CORNEL.1989.79857

[Abstract](#) | Full Text: [PDF](#)(628 KB) **IEEE CNF**
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- ☐ **20. Inherent Signal Losses in Resistive-Diode Mixers**
Hines, M.E.;
[Microwave Theory and Techniques, IEEE Transactions on](#)
Volume 29, Issue 4, Apr 1981 Page(s):281 - 292
[Abstract](#) | Full Text: [PDF](#)(1176 KB) **IEEE JNL**
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- ☐ **21. On the relationship between Schottky barrier capacitance and mixer performance at cryogenic temperatures**
Romanofsky, R. R.;
[Microwave and Guided Wave Letters, IEEE \[see also IEEE Microwave and Wireless Components Letters\]](#)
Volume 6, Issue 8, Aug. 1996 Page(s):286
Digital Object Identifier 10.1109/75.508555
[Abstract](#) | Full Text: [PDF](#)(192 KB) **IEEE JNL**
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- ☐ **22. An 18-22-GHz down-converter based on GaAs/AlGaAs HBT-Schottky diode technology**
Kobayashi, K.W.; Tran, L.T.; Oki, A.K.; Lammert, M.; Block, T.R.; Streit, D.C.;
[Microwave and Guided Wave Letters, IEEE \[see also IEEE Microwave and Wireless Components Letters\]](#)
Volume 7, Issue 4, April 1997 Page(s):106 - 108
Digital Object Identifier 10.1109/75.563634
[Abstract](#) | Full Text: [PDF](#)(120 KB) **IEEE JNL**
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- ☐ **23. A monolithic 94 GHz balanced mixer**
Adelseck, B.; Dieudonne, J.M.; Schmiegner, K.E.; Colquhoun, A.; Ebert, G.; Seidel, R.;
[Microwave Symposium Digest, 1990., IEEE MTT-S International](#)
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Digital Object Identifier 10.1109/MWSYM.1990.99554
[Abstract](#) | Full Text: [PDF](#)(180 KB) **IEEE CNF**
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- ☐ **24. Temperature variable noise and electrical characteristics of Au-Ga-As Schottky millimeter-wave mixer diodes**
Zirath, H.H.G.; Nilsen, S.M.; Hjelmgren, H.; Ramberg, L.P.; Kollberg, E.L.;
[Microwave Theory and Techniques, IEEE Transactions on](#)
Volume 36, Issue 11, Nov. 1988 Page(s):1469 - 1475
Digital Object Identifier 10.1109/22.8909
[Abstract](#) | Full Text: [PDF](#)(616 KB) **IEEE JNL**
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- ☐ **25. Microwave PtSi-Si Schottky-barrier-detector diode fabrication using an Ir layer on high-resistivity silicon substrate**
Yunhong Wu; Armstrong, B.M.; Gamble, H.S.; Zhirun Hu; Qiang Chen; Suido, Y.; Stewart, J.A.C.;
[Microwave Theory and Techniques, IEEE Transactions on](#)
Volume 46, Issue 5, Part 2, May 1998 Page(s):641 - 646
Digital Object Identifier 10.1109/22.668676
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